



1
SEQUENCE LISTING

<110> HOOGENBOOM, HENDRICUS R.J.M.

<120> NOVEL FAB FRAGMENT LIBRARIES AND METHOD FOR THEIR USE

<130> DX/003 CON

<140> 09/988,899

<141> 2001-11-19

<150> PCT/US00/13682

<151> 2000-05-18

<150> 99201558.6

<151> 1999-05-18

<160> 71

<170> PatentIn Ver. 2.1

<210> 1

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Illustrative peptide

<400> 1

Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn

1

5

10

<210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 2

cgatctaaag ttttgcgtc t

21

<210> 3

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 3

gtccttgacc aggcagccca gggc

24

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<210> 4
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 4
caggaaacag ctatgac 17

<210> 5
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 6X-His tag

<400> 5
His His His His His
1 5

<210> 6
<211> 349
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polylinker of pCES1

<220>
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<400> 6
tta ttc gca att cct tta gtt gtt cct ttc tat tct cac agt gca cag 48
Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser His Ser Ala Gln
1 5 10 15

gtc caa ctg cag gtc gac ctc gag atc aaa cgt gga act gtg gga gag 96
Val Gln Leu Gln Val Asp Leu Glu Ile Lys Arg Gly Thr Val Gly Glu
20 25 30

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tgt taataaggcg cgccaaattctt atttcaagga gacagtcata atg aaa tac cta	151		
Cys	Met Lys Tyr Leu		
	35		
ttg cct acg gca gcc gct gga ttg tta tta ctc gcg gcc cag ccg gcc	199		
Leu Pro Thr Ala Ala Ala Gly Leu Leu Leu Ala Ala Gln Pro Ala			
40	45	50	
atg gcc cag gtg cag ctg cag gag agc ggg gtc acc gtc tca agc gcc	247		
Met Ala Gln Val Gln Leu Gln Glu Ser Gly Val Thr Val Ser Ser Ala			
55	60	65	
tcc acc aaa tct tgt gcg gcc gca cat cat cat cat cat cac ggg gcc	295		
Ser Thr Lys Ser Cys Ala Ala Ala His His His His His Gly Ala			
70	75	80	85
gca gaa caa aaa ctc atc tca gaa gag gat ctg aat ggg gcc gca tag	343		
Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Gly Ala Ala			
90	95	100	
act gtt	349		
Thr Val			

<210> 7
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 7
 Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser His Ser Ala Gln
 1 5 10 15
 Val Gln Leu Gln Val Asp Leu Glu Ile Lys Arg Gly Thr Val Gly Glu
 20 25 30

Cys

<210> 8
 <211> 67
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 8
 Met Lys Tyr Leu Leu Pro Thr Ala Ala Ala Gly Leu Leu Leu Ala
 1 5 10 15
 Ala Gln Pro Ala Met Ala Gln Val Gln Leu Gln Glu Ser Gly Val Thr
 20 25 30

Val Ser Ser Ala Ser Thr Lys Ser Cys Ala Ala Ala His His His His
35 40 45

His His Gly Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn
50 55 60

Gly Ala Ala
65

<210> 9
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 9
tggaagaggc acgttctttt cttt 24

<210> 10
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<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 10
acactctccc ctgttgaagc tctt 24

<210> 11
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<220>
<223> Description of Artificial Sequence: Primer

<400> 11
tgaacattct gtaggggcca ctg 23

<210> 12
<211> 23
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<400> 12
agagcattct gcaggggcca ctg 23

<210> 13
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<220>
<223> Description of Artificial Sequence: Primer

<400> 13
cagrtgcagc tggtgcartc tgg 23

<210> 14
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<223> Description of Artificial Sequence: Primer

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saggtccagc tggtrcagtc tgg 23

<210> 15
<211> 23
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<220>
<223> Description of Artificial Sequence: Primer

<400> 15
cagrtcacct tgaaggagtc tgg 23

<210> 16
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saggtgcagc tggtgaggc tgg 23

<210> 17
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<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 17
gaggtgcagc tggggagwc ygg 23

<210> 18
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caggtgcagc tacagcagtg ggg 23

<210> 19
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<400> 19
cagstgcagc tgcaggagtc sgg 23

<210> 20
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gargtgcagc tggtgccagtc tgg 23

<210> 21
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<223> Description of Artificial Sequence: Primer

<400> 21
caggtacagc tgcagcagtgc agg 23

<210> 22
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<400> 22
gacatccagw tgacccagtc tcc 23

<210> 23
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gatgttgtga tgactcagtc tcc 23

<210> 24
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<400> 24
gaaattgtgw tgacrcagtc tcc 23

<210> 25
<211> 23
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gatattgtga tgacccacac tcc 23

<210> 26
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gaaacgacac tcacgcagtc tcc 23

<210> 27
<211> 23
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gaaatttgtgc tgactcagtc tcc 23

<210> 28

<211> 23

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 28
cagtctgtgc tgactcagcc acc 23

<210> 29

<211> 23

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 29
cagtctgtgy tgacgcagcc gcc 23

<210> 30

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 30
cagtctgtcg tgacgcagcc gcc 23

<210> 31

<211> 21

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 31
cartctgccc tgactcagcc t 21

<210> 32
<211> 23
<212> DNA
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<400> 32
tcctatgwgc tgactcagcc acc 23

<210> 33
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<220>
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<400> 33
tcttctgagc tgactcagga ccc 23

<210> 34
<211> 23
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 34
cacgttatac tgactcaacc gcc 23

<210> 35
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caggctgtgc tgactcagcc gtc 23

<210> 36
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<223> Description of Artificial Sequence: Primer

<400> 36
aattttatgc tgactcagcc cca 23

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<210> 37
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<400> 37
cagrctgtgg tgacycagga gcc                                23

<210> 38
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<400> 38
cwgccctgtgc tgactcagcc mcc                                23

<210> 39
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<400> 39
accgcctcca ccgggcgcgc cttattaaca ctctccctg ttgaagctct t      51

<210> 40
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<210> 41
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<212> DNA
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<400> 41
accgcctcca ccgggcgcgc cttattaaga gcattctgca ggggccactg 50

<210> 42
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<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 42
gtcctcgcaa ctgcggccca gccggccatg gcccagrtgc agctggtgca rtctgg 56

<210> 43
<211> 56
<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 43
gtcctcgcaa ctgcggccca gccggccatg gccsaggtcc agctggtrca gtctgg 56

<210> 44
<211> 56
<212> DNA
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<400> 44
gtcctcgcaa ctgcggccca gccggccatg gcccagrtca ccttgaagga gtctgg 56

<210> 45
<211> 56
<212> DNA
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<223> Description of Artificial Sequence: Primer

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gtcctcgcaa ctgcggccca gccggccatg gccsaggtgc agctggtgga gtctgg 56

<210> 46
<211> 56
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 46
gtcctcgcaa ctgcggccca gccggccatg gccgaggtgc agctggtgga gwcygg 56

<210> 47
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 47
gtcctcgcaa ctgcggccca gccggccatg gcccaggtgc agctacagca gtgggg 56

<210> 48
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 48
gtcctcgcaa ctgcggccca gccggccatg gcccagstgc agctgcagga gtcsgg 56

<210> 49
<211> 56
<212> DNA
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<223> Description of Artificial Sequence: Primer

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gtcctcgcaa ctgcggccca gccggccatg gccgargtgc agctggtgca gtctgg 56

<210> 50
<211> 56
<212> DNA
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<210> 51
<211> 24
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<223> Description of Artificial Sequence: Primer

<400> 51
tgaggagacg gtgaccaggg tgcc 24

<210> 52

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<223> Description of Artificial Sequence: Primer

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tgaagagacg gtgaccattg tccc 24

<210> 53

<211> 24

<212> DNA

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<223> Description of Artificial Sequence: Primer

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tgaggagacg gtgaccaggg ttcc 24

<210> 54

<211> 24

<212> DNA

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<223> Description of Artificial Sequence: Primer

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tgaggagacg gtgaccgtgg tccc 24

<210> 55

<211> 44

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 61
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<400> 61
accgcctcca ccagtgcaca gtctgtgctg actcagccac c 41

<210> 62
<211> 41
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<220>
<223> Description of Artificial Sequence: Primer

<400> 62
accgcctcca ccagtgcaca gtctgtgytg acgcagccgc c 41

<210> 63
<211> 41
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<220>
<223> Description of Artificial Sequence: Primer

<400> 63
accgcctcca ccagtgcaca gtctgtcgtg acgcagccgc c 41

<210> 64
<211> 39
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<223> Description of Artificial Sequence: Primer

<400> 64
accgcctcca ccagtgcaca rtctgccctg actcagcct 39

<210> 65
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 65
accgcctcca ccagtgcact ttcctatgwg ctgactcagc cacc 44

<210> 66
<211> 44
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 66
accgcctcca ccagtgcact ttcttctgag ctgactcagg accc 44

<210> 67
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<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 67
accgcctcca ccagtgcaca cgttatactg actcaaccgc c 41

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<223> Description of Artificial Sequence: Primer

<400> 68
accgcctcca ccagtgcaca ggctgtgctg actcagccgt c 41

<210> 69
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<400> 69
accgcctcca ccagtgcact taatttatg ctgactcagc ccca 44

<210> 70
<211> 41
<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 70

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41

<210> 71

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 71

accgcctcca ccagtgcacw gcctgtgctg actcagccmc c

41